

Title (en)
Dynamic step dimming interface

Title (de)
Schnittstelle für dynamische schrittweise Helligkeitsregelung

Title (fr)
Interface dynamique pour variation d'intensité par étapes

Publication
EP 2775802 A1 20140910 (EN)

Application
EP 14158017 A 20140306

Priority
• US 201361774556 P 20130307
• US 201414189359 A 20140225

Abstract (en)
A dynamic step dimming interface is provided that allows a ballast to energize a lamp in a dim mode or a normal mode. The ballast includes a lamp controller that energizes the lamp using an oscillating current. The oscillating current is also provided to a voltage monitor, which indicates the voltage level of the oscillating current, and to a rectifier, which provides an output indicative of the oscillating current. The rectifier is responsive to user input indicating whether the dim mode or the normal mode is to be used. A processing circuit receives the voltage level from the voltage monitor and provides a mode command to the ballast, indicating the lamp mode, based on inputs received, and provides a reference voltage to a comparator. The comparator receives the rectifier output and the reference voltage, and generates a voltage indicative of a power level of the lamp for the processing circuit.

IPC 8 full level
H05B 37/02 (2006.01); **H05B 41/42** (2006.01)

CPC (source: EP US)
H05B 41/42 (2013.01 - EP US); **H05B 47/17** (2020.01 - EP US); **H05B 47/185** (2020.01 - EP US); **Y10S 315/04** (2013.01 - EP US)

Citation (search report)
[A] US 2011140620 A1 20110616 - LIN YUNG LIN [US], et al

Cited by
EP3731602A1; WO2020112882A1; US10827572B2; US11206716B2; US11751299B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2775802 A1 20140910; **EP 2775802 B1 20161116**; CA 2844156 A1 20140907; CA 2844156 C 20160223; CN 104039038 A 20140910; CN 104039038 B 20160608; US 2014252970 A1 20140911; US 8928255 B2 20150106

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